

SAFETY DATA SHEET

SECTION 1. Identification

Product Identifier: Trade Name: No. 230 Ink Conditioner
Chemical names, common names: Solvent Blend Complex hydrocarbon based solution

Manufacturer's Name: Hurst Chemical Company.
Address: 2360 Eastman Avenue # 108, Oxnard, CA 93030
Product Information, Call: (800) 723-2004
For Emergency, Call CHEMTREC, 24 Hour: (800) 424-9300
DOT Information: Not regulated for ground and domestic transportation 49CFR 173.150

Recommended Use: Printing ink additive for reducing tack and promoting drying.
Restrictions on Use: Not intended for any other use other than the recommended use of this product.
Persons handling and/or using this product should be trained regarding handling and use.

SECTION 2. Hazard(s) Identification

HMS Health Hazard = 1
HAZARD Flammability = 2
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4 = Extreme
2 = Moderate	

Other= Safety glasses, respirator, and gloves
Flash Point: 130°F PMCC
Flammable Class II

Signal Word: Danger

Hazard Statement(s):

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or flame, sparks or static electricity.
If container is not properly cooled it may explode in heat of fire.
Some ingredients may cause cancer or are suspected of causing cancer.
Harmful in contact with skin.

Pictograms or hazard symbols:



Precautionary statement(s):

Wash affected areas thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
 Keep away from heat/sparks/open flames/hot surfaces.
 Keep container tightly closed.
 Use explosion-proof electrical/ventilating/lighting/and other equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.

Mixture composition and information on ingredients are described in Section 3.

SECTION 3. Composition/ Information on Ingredients

CAS	Chemical	Weight Percent Range
1330-20-7	Xylenes	<5%
14807-96-6	Talc	3-9%
14808-60-7	Crystalline silica (quartz)	<0.2%
64-17-5	Ethyl alcohol 200 Proof	1-5%
67-56-1	Methyl alcohol	<1%
67-63-0	Isopropyl alcohol	<1%
95-63-6	1,2,4-Trimethylbenzene	7-15%
98-82-8	Cumene	<1%

Crystalline silica and Ethyl alcohol classified by IARC as carcinogenic to humans (Class 1), by NTP as known human carcinogens.

Remaining components are primarily aromatic type I solvent (64742-95-6) and technical white oil (8042-47-5).

SECTION 4. First-Aid Measures

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE

Inhaled: Irritation of nose and throat.

Contact with skin or eyes: Irritation of eyes and skin.

Absorbed through skin: Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Swallowed: Nausea, irritation of the digestive tract and nervous system depression.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: Defatting of tissue on prolonged contact;

Chronic: Prolonged or repeated exposure to vapors or mists may cause liver damage and kidney damage.

EMERGENCY PROCEDURES

Eye contact: Flush eyes immediately with water.

Skin contact: Wash promptly with soap and water.

Inhaled: Remove from exposure to fresh air, apply artificial respiration if necessary.

Swallowed: Seek medical advice. DO NOT give counter agents or induce vomiting.

COMMENTS: Crystalline silica and Ethyl alcohol have been classified as human carcinogens by IARC, but not NTP, USEPA, or OSHA. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Prior history of chronic respiratory or skin disease.

SECTION 5. Fire-fighting Measures

Flash Point: 130°F PMCC

Fire extinguishing materials:

Water Spray: N/A

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Other: N/A

Special firefighting procedures: The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purpose.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or flame. This material will burn but will not ignite readily.

SECTION 6. Accidental Release Measures

Spill response procedures: Eliminate ignition sources. Contain spills for salvage or disposal. Minimize dilution water to control spill volume. Avoid run-off into sewers and ditches.

If spill in excess of EPA Reportable quantity is made into the environment, immediately notify the National Response Center (Phone NO: 800-424-8802). Reportable Quantities DOT/CERCLA:

<u>Chemical</u>	<u>RQ</u>
Amyl Acetate	5,000
Cumene	5,000
Xylenes	100

SECTION 7: Handling and Storage

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact

with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of liquid in contact with skin. Train all employees on special handling procedures prior to working with this product.

SECTION 8. Exposure Controls/ Personal Protection

CAS	Chemical	ACGIH TLV (ppm)	OSHA PEL (ppm)	OSHA IDLH (ppm)
1330-20-7	Xylenes	100, A4	100	1000
14807-96-6	Talc	0.13, A4	-	-
14808-60-7	Crystalline silica (quartz)	0.025	0.025	-
64-17-5	Ethyl alcohol 200 Proof	1000, A4	1000	-
67-56-1	Methyl alcohol	200+	200	25000
67-63-0	Isopropyl alcohol	400	400	12000
95-63-6	1,2,4-Trimethylbenzene	25	--	--
98-82-8	Cumene	50*	50*	8000

*Skin

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits, additional ventilation or exhaust systems may be required.

Respiratory Protection: In working atmosphere where TLV (or PEL) levels are exceeded, use NIOSH-approved air-purifying respirators with organic vapor cartridges.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: Prevent repeated or prolonged skin contact with nitrile or other solvent resistant gloves.

Other clothing and equipment: It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

SECTION 9. Physical and Chemical Properties

- Appearance (physical state, color, etc.): Pale yellow gel
- Upper/lower flammability or explosive limits: Flammable limits in air, volume%: lower 0.7% upper 10.0%
- Odor: slight pleasant solvent odor.
- Vapor pressure: Information may not be relevant or is not available.
- Odor threshold: Information may not be relevant or is not available.
- Vapor density: (air = 1): > 1
- pH: Information may not be relevant or is not available.
- Relative density: Density lb/gal: 8.00
- Melting point/freezing point: Information may not be relevant or is not available.
- Solubility(ies): in water: Nil
- Initial boiling point and boiling range: Boiling range: n/a

- Flash point: 130°F PMCC
- Evaporation rate: (Bu Ac = 1): n/a
- Flammability (solid, gas): Flammable Class II
- Photochemical Reactivity Rule-102: 50%vol
- Partition coefficient: n-octanol/water: Information may not be relevant or is not available.
- Auto-ignition temperature: Information may not be relevant or is not available.
- Decomposition temperature: Information may not be relevant or is not available.
- Viscosity: Information may not be relevant or is not available.
- Specific Gravity: 0.96 VOC Composite Partial Pressure, mm Hg at 20°C: 7.2
- Volatile Organic Content (VOC, EPA Method 24): 496 gm/l or 4.14 lb/gal

SECTION 10. Stability and Reactivity

Reactivity

Fire and Explosion: CLASS / Reactivity=0, 0=Least

Chemical stability

Stability: Stable under ordinary conditions of use and storage.

Other

Incompatibility (materials to avoid): Strong oxidizers and selected amines.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or flame. This material will burn but will not ignite readily.

Hazardous decomposition products (including combustion products): Carbon dioxide, carbon monoxide.

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

SECTION 11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact are discussed in Section 4. Description of the delayed, immediate, or chronic effects from short- and long-term exposure is discussed in Section 4. Description of the symptoms is discussed in Section 4.

CAS	Chemical	Oral Rat LD50
1330-	Xylenes	4300
14807-	Talc	--
14808-	Crystalline silica	--
64-17-	Ethyl alcohol 200	7060
67-56-	Methyl alcohol	--
67-63-	Isopropyl alcohol	4710
95-63-	1,2,4-	5000
98-82-	Cumene	1400

Crystalline silica and Ethyl alcohol classified by IARC as carcinogenic to humans (Class 1), by NTP as known human carcinogens.

Remaining components are primarily aromatic type I solvent (64742-95-6) and technical white oil (8042-47-5).

SECTION 12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Consult appropriate local, county, state, and federal agencies regarding ecological issues. Follow appropriate spill response measures as outlined in Section 6.

SECTION 13 Disposal Considerations

Preparing wastes for disposal: Dispose of product in accordance with local, county, state and federal regulation.

SECTION 14. Transport Information

Transport this product in accordance with local, county, state, and federal regulations.

SECTION 15. Regulatory Information

Section IIA -This product contains the following chemicals listed in the subject regulations:

CAS	Chemical	302	304	CERCLA	355	313	RCRA	CAA212	CAA602	CWA	HAP	Prop65	NDSL
1330-20-7	Xylenes	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
14807-96-6	Talc	No	No	No	No	No	No	No	No	No	No	No	No
14808-60-7	Crystalline silica (quartz)	No	No	No	No	No	No	No	No	No	No	No	No
64-17-5	Ethyl alcohol 200 Proof	No	No	No	No	No	No	No	No	No	No	No	No
67-56-1	Methyl alcohol	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
67-63-0	Isopropyl alcohol	No	No	No	No	Yes	No	No	No	No	No	No	No
95-63-6	1,2,4-Trimethylbenzene	No	No	No	No	Yes	No	No	No	No	No	No	No
98-82-8	Cumene	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
	302	Section 302 of the Emergency Planning and Community Right-to-Know Act (EPCRA)											
	304	Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA)											
	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act ("SUPERFUND")											
	355	The List of Extremely Hazardous Substances Under SARA											
	313	Toxic Release Inventory (TRI) Reporting Under SARA											
	RCRA	Resource Conservation and Recovery Act											
	CAA212	Clean Air Act Section 212											
	CAA602	Clean Air Act Section 602											
	CWA	Clean Water Act											
	HAP	Hazardous Air Pollutant											
	Prop65	California Proposition 65											
	NDSL	Environment Canada Non-Domestic Substances List											

- All ingredients are listed under the Toxic Substance Control Act (TSCA) except: Talc, Crystalline Silica, Ethyl Alcohol, Methanol

- All ingredients are listed under Environment Canada's Domestic Substance List (DSL).

SECTION 16. Other Information

Date Prepared: November 1993

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